

APPENDIX A: DNA SEQUENCES

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>RXA00014-upstream

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>RXA00196-downstream
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>RXA00202-upstream
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>RXA00202
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>RXA00206
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>RXA00224

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>RXA00225-upstream

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>RXA00225

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>RXA00225-downstream

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>RXA00235-upstream

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>RXA00235

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>RXA00246
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>RXA00246-downstream
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>RXA00251
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>RXA00268-upstream

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>RXA00268

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>RXA00268-downstream

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>RXA00288-upstream

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>RXA00288

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>RXA00288-downstream

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>RXA00290-upstream

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>RXA00290

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>RXA00293-upstream

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>RXA00293

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>RXA00293-downstream

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>RXA00296

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>RXA00310
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>RXA00310-downstream
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>RXA00317-upstream
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>RXA00317

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>RXA00327-upstream

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>RXA00327

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>RXA00327-downstream

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>RXA00328-upstream

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>RXA00328

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>RXA00328-downstream

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>RXA00329-upstream

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>RXA00329

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>RXA00379
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>RXA00381
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>RXA00385
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>RXA00386
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>RXA00406
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>RXA00427

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>RXA00427-downstream

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>RXA00483-upstream

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>RXA00511

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>RXA00521
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>RXA01259-upstream

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>RXA01259

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>RXA01262
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>RXA01312
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>RXA01377

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>RXA01392-upstream

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>RXA01745
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>RXA01758
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>RXA01839-upstream
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>RXA01839
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>RXA01851
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>RXA01865-upstream
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>RXA01865
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>RXA01882
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>RXA02539
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>RXA02596

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>RXA02611

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>RXA02621
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>RXA02642-upstream

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>RXA02642

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>RXA02666-upstream

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>RXA02675

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>RXA02694-upstream

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>RXA02694

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>RXA02737

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>RXA02741

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>RXA02797

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>RXA02853-upstream

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>RXA02853

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>RXA02854-upstream

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>RXA02854

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>RXA02872

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>RXA02902

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>RXN00013

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>RXN00317

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RXN00427-upstream
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>RXN00427
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>RXN01332
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>RXN03076

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>RXN03076-downstream
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>RXN03083-upstream
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>RXN03083
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>RXN03083-downstream
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>RXN03086
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>RXN03087-upstream

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>RXN03087

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>RXN03087-downstream

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>RXN03096-upstream

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>RXN03096

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>RXN03101

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>RXN03112-upstream

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>RXN03112

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>RXN03117-upstream

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>RXN03117

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>RXN03117-downstream

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>RXN03144

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>RXN03144-downstream

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>RXN03150-upstream

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>RXN03150

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>RXN03150-downstream
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>RXN03179
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>RXN03180
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>RXN03180-downstream
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>RXN03186-upstream
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>RXN03186
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>RXN03187
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>RXN03187-downstream
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>RXS00584 - 5'-Region
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>RXS00584 - coding Region

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>RXS00584 - 3'-Region

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>RXS01260 - 5'-Region

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 TGAGAAGAAGACCTTCGGCATCAATGGCGAA

>RXS01260 - coding Region

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>RXS01260 - 3'-Region

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>RXS01261 - 5'-Region

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>RXS01261 - coding Region

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>RXS01261 - 3'-Region
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>RXS01758 - 5'-Region
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>RXS01758 - coding Region
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>RXS01758 - 3'-Region
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>RXS02574 - 5'-Region
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>RXS02574 - coding Region
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>RXS02574 - 3'-Region
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>RXS02735 - 5'-Region
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>RXS02735 - coding Region
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AAGTTGCTGGAAAAGCTCAGCGTTGATGCGGCTGACCTTGCTGGGATCGCATTCATGTGTTCTTCGGC

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CGCGCTTACGAAGCTGTGTTGGATGAATTTCGACCAACACGGCTTTGATCTTACCTGCTCGGCATGGGT
GGCGAAGGCCATATCAACTCCCTGTTCCCTCACACCGATGCAGTCAAGGAATCCTCCGCAAAGGTCATC
GCGGTGTTTGATTTCCCTAAGCCTCCTTCAGAGCGTGCAACTCTAACCCCTTCTGCGGTTCACTCCGCA
AAGCGCGTGTGGTTGCTGGTTTCTGGTGCGGAGAAGGCTGAGGCAGCTGCGGCGATCGTCAACGGTGAG
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>RXS02735 - 3'-Region
TAAGCAGCGCCAGCTCTAACAAG

>RXS03215 - coding Region
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CTGGCAGATGTGGGAAGCCACCTCACCTACCTGGCAGAATTCGTTGCAGGATCTGACTTCGCCGCCGTC
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CCAGCAACCTCCGGTGACATCAGCCAAGAAGCCGGCTACCGCACCATCACCATCGGACCAAAGCACCCA
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TTGGAAGAAGGGCTACACAATATGCAGCTCATTGATGCTGTATCACAGTCAGCTGCAGCAGGTGGCGAA
ACCGTTGCGGTCCCAGCGGCTGCTCTGATCCCTGCAAACAAC
RXS03215 - 3'-Region
TAGAACTATTAGAAAGCATCACCATGAA

>RXS03224 - 5'-Region
ACGATTGTGCTGTGTTTTGCGTTGGTGAATAGTTCTGGACCGGGTATTTTGGCGCGCACATGGAAGTCA
TTGAACGCCGCGCCCGGCTAAGGTGGGAGGC

>RXS03224 - coding Region
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CTAGGTCGCAACGCCCTCATGCTGGGACCGGATTCGAGTCCGTCAGCCACGGCTACGACACCCCTCGAT
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GAGGTGTCTGTTTCGATCCTTGATGGCGAGAAGGTGCTGTTTCAGTACAGCGCT

>RXS03224 - 3'-Region
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>RXC00233 - 5'-Region

CGCCTCCAGCAGTTGAGGGAGAAGTTCCAACACTTGCACCAACTGAGGAAGCAACTGTGCAATAGCGCT
TTAGACACAGACTCATGACAGAATAGAAGAC

>RXC00233 - coding Region

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ACCCCATTTCCAACCCTGTACTACTTGACAGATCCACGCCTGACCACCGAGGCATCCCGCTCGAGGTC
GCATTGGTAATGAAGTGGATGACTGATCGCCTTCCACCGACGAAGAGCTTCGTGCCGACTACCAGCGC
GCCACGAGCACTTCTGGCAAAGCGCAACGCAATTGAAGATCTCGGCACGGATTTTCCGGCGGTGGC
ATGCCTGACCGAGTGAAGTGCCTTCACGTCCTCATTGACTATGCACTGGCAGAAGGCCACACCATTTCT
CTT

>RXC00236 - 5'-Region

AATGCGAGAGTTCTAAAACGAGCCGGTAACATCGACCCCCATGAGTTCAGGGGTTAGAAAAGCAATGGG
ATTTGGATGCGGTTTCGGTTTTGGCCGTCATC

>RXC00236 - coding Region

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CGCACATCCAACCATTTGCGTTTTTGGGCGGAACCAATTGCTCAAGATACTGGTGTGTCCGCTCAAGCG
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TCCCTGGATGAAAATGGAGTTGCAACCCCTCCAATCATCGGCGTTCACCTTGATGGTTACCCGGGTTT
GCGGAAATTCGCCGACACTGATGGTGGGGAATTAGATGGCGATACTGAATATGATCGCGCGGTAGGTCCC
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AACCAAATTGATGACGCAGCATTGAGTGCCGCAAACCTGTTGTGTTCCAACGATCGTGACTTGTCCACT
CCTGAAGGATGGACCGCAGCTGTTCAATCTTACAACATGTCTAATCAGTATTTGATGGACGTTTCGAGAT
GCTGCCGCGTCTACGCTTTACGACAGCCGGCGATC

>RXC00236 - 3'-Region

TAAAACTTAACAAGCGCAACCCC

>RXC00271 - 5'-Region

TAGTTTAAATCATGAGACATTTACATATGGTTCTTTATCCGAGACATGTGTTGACGCTGTCTGCCCCCT
TTTTGAAAATAACACTTTAAGGAGATGTGCC

>RXC00271 - coding Region

ATGTTTTCTTCCCGTTCGAAGGTACTCGCAAGCATCTTTACTGTTGGCGCCTTGGCGTTGGCTTCGTGC
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AACCAGCTTGTTTCAGCACCTTGCACTTGATGCAGCGACCACTGGTTTCAAGGAAGCTTTTGAAGAGGCA
GGCGTTGACGTACCTTTGATGAGCAAAACGCTAACGGCGAGCAGGGCACTGCACTGACTATTTCTCAG
CAGTTCGCTTCTGACAATTTGGATCTCGTGTTGGCTGTTGCAACTCCAGCAGCACAGGCAACTGCGCAG
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GTGCAGGTGATGAGGTACCAAGGCTGCTGAGCCACTGGGGCTGTCCGTTAATACTCAGACTGTCACT
ACCGTGAACGAGATTACGAGGCTGTTGAAGCTCTCGGCGATGTTGATGTCATCTACGTTCCAACCTGAC
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GCTGAGTCCGGCACTGTTGAGGGTGGCGCACTGGCAACCCTGGGTATCGATTACACCGAGCTTGGCCGC
CAGACTGGTGAGATGGCTCTGCGTATTCTGCAGGACGGCGAAGACCCAGCAACCATGCCTGTGGAGACT
GCAACTGAGTTCACCTACGTGATCAACGAAGATGCAGCAGAGCGCCAGGGCGTGGAGATCCCTCAAGAG
ATTTTGGATAAGGCCGAACGCGTA

>RXC00271 - 3'-Region

TGATCGGCGCTTTTGAGTTTCGGA

>RXC00338 - 5'-Region

TCTTAGAAGGCGTAGTCACACCATTAACCTTGCCAGAATTTTCAAGGCTTGGCTAGACTTGGGAAACG
AACATGCGGTACCAACCGGGGAGTTAATGC

>RXC00338 - coding Region

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GATTGCACCCAGGCAGTGGCCGACAAGGCTGTGGACATGGGTTTGGACATGCTGATCATTACCAACCCA
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CTCGCCGAGCTCGTCGGCATCACGGCCGGGCGACCCATCGCGACACGGCTTTTAGGCGGCATGGACAAA
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GCGATCGGCGACTACCGAGAGTGTGCCTTTGAGATCGAAGGAACCGGGCAGTTTAGGCCCGTGGAGGGG
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GATGAATATCTCCGAGAAGGTGGCCCTGCAGTAATCGATACTGCACACTGGGCCAGCGAATTTCCATGG
ACTTCCCAAGCCCAAGAAATTTTGAGGACAAAGCCCCACAGGTTGAAGTTGATGTGATTTTCGATCCGC
ACAGACCCCTGGACCATGTCTGCGCGAGCAGTGAAC

>RXC00338 - 3'-Region
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>RXC00362 - 5'-Region
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CGTTTTTTTCGGTCACTTAAAGGAGGCGCTT

>RXC00362 - coding Region
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CTGATTGATGCTGTAGTGGATGCTGCTCAGTCGGAAGTTACTTTTCGCAGGTATGGCCTTTGTTTTCATG
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CTTCGAGGTGGCGCAGGTTATGTTTCCACTCTTGATCTGCGCTCATTGGACTCATCGCTGGATCAACG
GCTGGAACCTCCGCGACGGTTGGCTCAGTGACGATCCCTTGGATGAAAAAGACGGGATGGACTGCTGAA
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ACCCCTGATGATCAACGGGTGTCAATTCGGTGAGGCAATGAAGACTGGATGGCGTTACCGTTGATCTTC
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TGCATCATGTGCATTGTGGTGGCAACGCCACTGTGCTCAACAGCAACCGCGGCTGCGATTGGTGTCTCC
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GGAATGGGATTCTTACCAGTGATTGTTTCTACGGGT

>RXC00362 - 3'-Region
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>RXC00412 - 5'-Region
CTTTTGACGAACACCACGTGCGGTACGCTTCTCGGGGCGTTAAACTATTTGTCTTCCAGCTTTTGTCC
CCCGACTTTTGTACGAATCGAGGACACCGTC

>RXC00412 - coding Region
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 CGCAAGGTAAACCGCGAACTGGGCATCACCATCGTTGTGATCACCACGAAATGGAAGTTGTGCGTTCC
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 TCCAATCCACAAACACAGGTTGCTCAAAAGTTCTGGGCCACCGCGCTGCGTAACACCCCGAGACCAAGTG
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 TTTGCGCAACCGCTCGTGCTGCCGAACAAGGTGCTTTTGTCAACATCGTTACGGTGGCGTGACCACC
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 TATCAAACCTTGACCAAGACCACGACCATCAAGGAGATCACCCGA

>RXC00412 - 3'-Region
 TGAACGAGATGATCCTCGCAGCT

>RXC00526 - 5'-Region
 GGTGGAGCAGGCGGCGGCTCCTTTTAGTCCTGCGGCCCTTTTGACCCTGCAGCCCCTGCCGTTTCTGC
 CAAGCAAACCGTGGGCCAGGTGATTTAGCCT

>RXC00526 - coding Region
 ATGAGCCTCATCGAAATGCGAAATATTGTCAAGACCTACAACATTGGATCTGAAGGTGAACTCACCGTG
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 AAATCAACGATGATGAACATCATTGGGTTGTTGGATAAGCCAACTGATGGCACGTACACCTTGGATGGC
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 GCTGATGAATCTGATCGGGTGGTCACCATGGTTGACGGGCGCATATTGGGTCTGAGGTGAAACACTCA

>RXC00526 - 3'-Region
 TGAGCCTTGCAGAATCAATTCTT

>RXC01004 - 5'-Region
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 TCACCCATGAAGAAGCAAAGGAGTACGAAAA

>RXC01004 - coding Region
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 GAAAAGTTCTCTACGCAACCGAGCACCTCTCCATCATGTTGGCGGGCGCTCAGTTCGGTATTACGGTC
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 AAGGCGCTGCGCTCTGAGCAGCGTTCCATCAAGGAAGTGGTGATTAAAGGATGAGGACGTGCGCACGCTG
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 GCTGATCCTGAGATGGATCCCTCCGAGACCATTCGCGTTCTGCACTGCGCCCTTTGAGCAATGTGGAT
 GCCGACGGCCTCATGGATGACGTCTTGGATTTTATGCACTACCGCTCCGCGCACATGGCTCAGGTTTCGC
 CTCAAAGGTGAGCTTCTCGGCGTGATTACGCTGGAGGATCTCATGAAGAATACGTGGGCACCGTCAAC
 GATTGGACTCACGAAAGCTCCGACGAC

>RXC01004 - 3'-Region
 TAGAAATAGTAAGTGTGTTGGAC

>RXC01017 - 5'-Region
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 TGCTAGAAAACCTTTAAGAAAGAGGAAATAAT

>RXC01017 - coding Region

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AAGGAAGTCGAACAAGTCCGCGATATTGAAATCCAGTGGGTTCATGAGCCTCGCTGTCTAAACGAA
GGCCGTGATCTCCAGAGGATTACAAGGAGCGCATGAAGGCTGCATGGGGACCAGCACGCGTTTTCGCA
GCTGTGCGCCACCGACCATGCTGACAAGCTCGGCGACCTGTACACCGCAATGGGTACCCGCATCCACAAC
GACGGTCGCGGACCAATCGAAGGTTCTTCAATGATGTCATCGCAGAGGCACCTGAAGAGGTGCGCCTA
GACGCTGCACTTGGTGAAGTTGCAGACACCACCGAATGGGACGACGCACTTCGCGCATTCACCAGACC
GCAATGGACGAGGTGCGCAACGATGTCGGAACCCAGTGGTCAAGCTCGGCGACACCGCTTTCTTCGGC
CCAGTGCCTACCCGCATCCACGCGGCGAGGAAGCAGGAGAGATCTTCGACGCTTCCTTCAAGCTCGCA
AGCTATCCCCACTTCTTTGAAATCAAGCGCAGCCGCACTGAGAACCCACAGTTCGAC

>RXC01017 - 3'-Region

TAATTAACGCTGTCTCTGCTTAT

>RXC01021 - 5'-Region

CGAGAGGCTTTTTTGGCTCTAAGCCTTTTAGTCGTGCGAACGAAATCTTAAGCAGCCTCGGTGCCACCG
AGATCGATTGGTCGCTGTAAGGTATCTGATT

>RXC01021 - coding Region

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GCTGATTCAACGGGGGCTCCTGCGGCAGCTTCCAAGGAAGCTTCCAACAAATGGACGCTGCCGGAGTT
CTTGAGTGGGCCAGGACCGCTGTCGAGCAGCTTTCTGAACGTCGTGCAGAGATCAATGCACTGAATGTC
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CTGAAACTGGGGGAGTTGGGTGATGTCGCAAGGATTACTGAGGCTTTGGCTGTTGGTTCTGTGCGTGGA
GCCCGAGGAAATTCTGGAGTAGTCCTTAGTCAGGTCTTCGCGCTATTGCTCAGGCAGCTGCTGACGGG
GTTATTGATGGCCACACAATCCAAGAAGCGCTATCCATTGCTCGCTCCCTAGTTGATCGCGCAATTACA
GATCCTGTGGAGGGCACTGTTGTCACTGTGTTGCGTTCT

>RXC01212 - 5'-Region

TTTAGAAGCCACATGACATATGTCATGAAAATTATGTGCAAAGTGCAAGTAATACTCCTGACATATGGCT
CTACCAGCGCCAATGCGAAGTAGGAAGAATT

>RXC01212 - coding Region

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AAAACCTCCACCTTGAAGTCATCGAAGGACTTTCCGCACCCAGCTCCGGCACCGTGCATCTCCGGG
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GGGATCGCGCTGGAAGGCTTCGCTGCAAAACCCGCCACCTTGAATCCGTATTCATGGACATCGCCTCA
CTCGAGAACACCTCGCTGCAAACCGCC

>RXC01212 - 3'-Region

TAGAATCTTTAAGGAGACCACAA

>RXC01306 - 5'-Region

TGTTTTAGAGGTAGAGCGAAACGTGCCTGTAAAACTGGCGCTCGCTGTGCTCGAAGACCACCCAGACAA
TCACCCCGCTCCGAAGGAGAATCGCTAAGCC

>RXC01306 - coding Region

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ATTGAGTTCGCTTTGCTTGCAGCTAGGCGGAACCGGTTAGAGGAGACTGTGGAAACCTCGCGGTCTTCC
CGCGCTGCGTTGCGAAGCCTCAATGAACTTACTCTCATGCTCGCGGGCGCGCAGTTGGGAATCACCATG

GTGACTTTTCGCGTTGGGTGCTATCACGAAGCCGTGGGTTCATTATGCTTTGATGCCGCTCTTCGAATGG
GCGCGTATACCGCTGGTTATGGCAGATGTCATTGCGTTTATTTTGTGCTGTTTATCGTAACGTTTCTG
CACTTGGTCATCGGCGAAATGGCTCCGAAATCCTGGGCAATCGCGCATCCGGAGACGGCACTTCGAACT
ATCGCGATTCCCGCACGGGGCTTCATTAACCTGTTTCGTCCATTGCTGCAGTGGATCAACAAAATGGCG
AACGATTTGGTCCGCAAAGTTGGTGAACCTCCGTTGATCGAGCTGCAGCTGGTGGCTATGACACCGAT
ACCCTCCATGCCCTCATTGAGCATTCCCGAGAACTGGCGCTCTGGATCAGCAATCCGCGGCCCAAATC
AGCGGAATTATCAAGCTGGATAAAATCACGGTCGGTCAAACCTGACCGCATCTCCATTTACGCACAGC
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GCCCCCTCCACCTTTTCCACACGTCATTATGTGCGAGACACCCTTGGTGCCTCGCCAGACGAGAAG
GCTTCGAAGTGGTCTCGCCCAATCCTCACCGTTGCTGAGACCGACACGTTACACCAAGCGCTGGAATAC
ATGCGGGAGCATAACGAGCAGATCAGTGCGGTGTCTTCCGCTGATGGGAAAACGGTGCTTGGTGTAATA
ACTTGGGATCACATCTTGAATACCTGTGGCCTGCATCGGTG
RXC01306 - 3'-Region
TAGCTAATTGAGGTGCGCTGAA

>RXC01366 - 5'-Region
ATGCATGAAAACAAATTCTATGTGTGTTGAGCTGCCAAAAGGGGTGGCGCGCCGATGATGACTGTCCA
AACCTAAACCAAAGGTCTAAACTTTGGCTTC

>RXC01366 - coding Region
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TATTCGGATTCCACTGCGGTGGTTGGTCCTTTGGCGCCTGCAGCAGAGCCCCATAGTTGGGATCTGTGT
GAGCATCATGCCGAGCGTATTACTGCGCCCCCTGGTTGGGAGATGCTGCGGGTGAACGACATCAAAGTC
GATGACGATGAGGATCTGACGGCTCTTGCTCAGGCTGTTTCGTGAGGCTGGACGCACTGTGAGTGGTCTG
GTTCTTGAAGACGAAGTGGGCGGCAACCATCCGGTGAACCGGAGTGCGCGGATCGCGGAACAGAAGGTT
CACCGCAGGGGTCTATCTATGTTGTGCCTGATCAGGACGAATCA

>RXC01366 - 3'-Region
TAAGGTTTGCTATTTCGGATTGGA

>RXC01372 - coding Region
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ATAAGCACTCTTTTAGATCTTTTAGAAGCAGACCCCAGCATTATTTCCGACCGCTTGAACACCTCGCC
GACTGCATTGATGAGGAAGTGAATCGCTATCGCCGGAACGTGACGAACTAGTCAATCCCGGCCGAAAA
CTGCGCGCATACGTAGATCACGCACGGATCGTGCATACCGGCCGAACTGATGTGGGACTCGCGATTGCC
AACGTTATCGCCCCAATCTGGACCCGACGAGGCTGGTATCAGCCGTGCTGGATTTTCCCGAGCTCATG
GAATCATTGCCGGAACCTCCGCGGACCCGAGCCAATTACCGACGATATATTCCATGACCCATTATAGAT
GACGAACCCGGGGTGGTACCGTTTAGGGCTGTTGTCTGGGCGGAAGAGGAACCCGGAATCCCCGATGCC
ATGGCGCAAAGCTGCGACGGACCTAGCAAAGGGGCGCTGACACAAGCACTGCGTTTGTGCTGGTGCGCGGA
CAGTCAGCCACGACCTATTCCATTGAAGAAAAGGACTTG

>RXC01372 - 3'-Region
TAAATGGAGCTATTGGAAGGCTC

>RXC01659 - 5'-Region
TTGATGCGCGCCGCGGTGAGCAGCCTGCCGATCCAGAGCGTGAAGAATCTGATGATTTAGTCGAGATTG
ATACCGTCTCTGGATTCCGCCTGCTCAGTAC

>RXC01659 - coding Region
GTGGCGGGGGTTGCGCAGCGTTTTGTGACGAGCGCATTCACGTGCGTTTGGATTCCATGCCAGAAGCT
GTGACTGCTGTGTGGATGGAATCTGATTGGGTGTTGGCGGAAACCATCAAGGGTTCCACGCCTTCCGAT
TGGGAAGAGATTTTGGCGCGTTGGCGCTGCTCACGGACGCGTCTTTCACGTTGCCACCTCGTTCCACG
CGTGCGCAAACCTTGGATTTGAAGCATTTGGAACCAAGCCGTCTGAAGCCGGAGCAGCCAGAAAAGCCA
GCGTTTACTCCCAATGCTTCGGAAGAAGATTTGTCTCAGCCGTGGTGATCCGCCCCGAGGAGCCGTTG
CAGATGCCGGTTCGCGGTGTGCAGGAAAGCCGCGGAGTGGTTCGAGCCACGGTCATTGGGTGCGGATGAT
GTGGAGTGCATTGCGGAGGGCGATCCAGAGCGTCCGAGCGATCTTTATGGCACGCGTGTGCTGCGTGAT
CTCAATGGTCACTCCAGTATTTTCCAAGATTCCACCGACGCGGATGAGCCACCAAAAAAGTGG

>RXC01659 - 3'-Region
TAGAAAACCTGGTGTTCGCGCC

>RXC01663 - 5'-Region

TATTTTGTCTGGTTGGTTCACAGTGGAGCGCTAACCCCGAGAATCCTATCGAGGCCTAAAATCGTGGCTTG
AGTACGCACTGCCAGTAAGGTGTGTGATGTG

>RXC01663 - coding Region

ATGGAAATAAGTGTCTTGATCATCGCCGCACTGATCTTGGTGGCAGGCATCGTACTGTGGCGCGCGGAC
TCGTCTAAACAGGCAGCTAAAAAGGCTGAATCACCTGTGGGCTCAGTCGCACCTGCGCCCGTGTGGTT
GAAGAAGAGCCCGACCCCTGAGTTTGAGCCAGAAGTGGACCTGAACCAGAAGCGCAACCAGAACCAGAG
CTGGAAGTTGCGCCTAGATTTGCGCCAGAACCAGTTCAGATCTTGAGCCGGATCAGGCTGAGGACATT
TATTTTGATGATTCCCCTGAACCTCGATGCTGATGTTGAAAATGCCTTGGCTGAGCTTACTGAGGTAGAA
GACTACCCGGAAGAGCCAGTGCAGTCTGAGCAACCTCAAGCCCCCTGCCACGGCGGAGGTAGCTGCGGAC
GAGGAGCAACGGGGCGTCGATAAGCATTTCGTTTTTGGAGCTCTTTCCTGGTTTCGACGCGCCGGGAGCGC
CGAACTGGGCGGCGAAGCACCCTTCGATTTTCATCAAGGAAGATGCCTTTTTCACCGATGAATGGTCA
AGGGGTGCGGCATCGACTGGTGGCGTTGCACGTGATGTGGTCAGTGGCATGGCTGAAGGATATGAAACG
CATCTGGTGGATTTGGCGGGCGTGCCCGTGATGGCGATGCGCCGTGGAATTACCTCTGACGTGGTCATT
GATGCGCGCCGCGGTGAGCAGCCTGCCGATCCAGAGCGTGAAGAATCTGATGATTTAGTCGAGATTGAT
ACCGTCTCTGGATTCCGCCTGCTCAGTACGTGGCGGGGGTTGCGCAGCGTTTTGTGACGAGCGCATTC
ACGTCGGTTTTGGATTCCATGCCAGAAGCTG

>RXC01663 - 3'-Region

TGACTGCTGTGTGGATGGAATCT

>RXC01693 - 5'-Region

AGGAGACTGGCTGGATTATTGGCTGGTTTTCTTGGGAAATCGTCATGGGCATTAATCCTAGTCCCAACA
ATTGCCAGAACCCTGAACACTAGGCTTGAACC

>RXC01693 - coding Region

ATGAATACTGCACCTTTCAAACCTCGAAGCTGACTTCGCATCAGCCCTGCCACCATGGCAGCCCCCTGG
CAAGGTGAGGAAGCCCCCAACCCTGAGCTCGTGATTTTAAATGACGACCTCGCCTACAGCCTCGGGCTT
GATCCGACATGGCTTCGCACACCTGAGGGCGTTCAATTTCTTCTCGGACTCAACCCCGAGCCCTTAACA
AAAGCAGTTGCGCAGGCCTATTCCGGCCACCAATTCGGACAGTTTGTGGCAAGCCTTGGTGATGGCCGA
GCGCTTCTTCTCGGCGAAGCCCGCTCAGCTGACGGCGTACTGCATGATATCCACCTCAAAGGATCTGGA
CGAACCCTAATTTCTCCGAGGAGCCGATGGACGCGCGCTTGGCCCCGTCTTACGCGAATACATCATC
TCCGAAGCGATGCATGCACTTGGTGTTCCCAACCACAGGTCACTTGCAGTAATTAGCACCGGTAGGAAA
ATCCAACGAGGAAGCGTAGCCCCAGGCGCAGTCTTGTTCGAGTAGCAACCAGCCTCATTTCGAGTCGGA
TCCTTCCAATACTCCAACATCTCTGGTGGCATCGAATATCTCAACACCTGGCGAATATACGATCACC
AGGCATTTCCCTTCGTTGGTAGCTGAACATATCCGCACCAACCCCGCAACTTATGTATCACTGTTTAAA
GCGATTTCTCAGCGCCAAGCAGACACCGTTGGAAAATGGACCAGGCTGGGTTTCGTTTCACGGAGCCCTC
AACACAGACAACACGTTGATATCCGGAGAACTGTTGACTACGGCCCATGCGCTTTCATGGAGCGCTAC
CGTGCGGACGCGAAATTTAGCTCCATCGACACTTATGGTTCGCTACAAATTTGAAAACCAACCTATGATC
CTCGGATGGAACATGGCCCGCTCGTAGAAACCTCCTCCCACTCCTGGGCGCCACACAGACGAAGGC
ATGACAGCAGCCCAAGAAGCTCTCGTAGAATTCGATGACCTCTGCGAACAAGCAATCCGAAAAGAATTC
GCCACTGCACTGGGCCTTGACGAGTCAGACACCGGCACGGTAGAGCAGTTCCGTGAAGTCTCTACCTC
CATAACCCCGACATCACCACGCTGCTGCGCGCACTCACCAGACAACACCGCACCACCGAGTGGCTTTGAA
GCATTGTTTCAGACTGGAAGACCAAGACCCAGATATCGAAGCAATGCGAGCAGTAATCCACTTTTC
ATTCCACGCAATCACCTCGTGGAAGCTGCTCTCGCAGACGCAAGTTGAAGGGAATCTAGAAAAGTTCCAC
GAACTCCTCGCTGCTGTACCAATCCTTTTGATCCAACCTGCGGGCCCCGATGAACCTACGCCTGCCAAGC
GAAGAAGGATTTGAAGAAGACTACATGACCTTCTGCGGTACC

>RXC01693 - 3'-Region

TAGGACAGATGGTGGGGCAGACG

>RXC01703 - 5'-Region

GTTAGACAAATGGGTAAACAGAGCTGACCTAGCGGAATCCGCCATCAACGAAAGGCATTCCGCGAGGGT
TTGGGGTCTGCCTCGAACAATCTTGGGTTT

>RXC01703 - coding Region

GTGGCATGGCCATCCAACGCCAAAGAAAACTGTTTTATCCACTGGCACTACTGGTGGCAAGCGCATTAT
CTAGACTGCCTGGTGGATGCTGCTCGTCGACGACCAACAAAGGCCGTGCGACCGCATCAGGGACACC
ATCCGCGGCATTTTCGGTGCAGCAATGTGGGCAAGCTGACCTCGAATCGTTATTACGACGACAAAGCTTGG
CTGGCCCTTGCTCTTGGGCGTGCCGGAAGGTGCGAAAGGTGCGCACACCAAAATCATTGCCCTCGTTG

GAACAAAACATCGTCGATGGCATTGATTCCCTTACTGGTGTGCTGCCGTGGCGTTCCGGCGAAACCTTC
TACAACGTTCCCTCCAACGGTCCTGCTGCGATCATGATGGCCCGCACCGACCGTTTGGACGAGGCTATG
AAAATCACCGATTGGATTTTTGACAACCTGATCGATGGCGACGGCCTTGTGATGGACGGATTGCGCATG
CGCATGCACGGACCTGAGCTTGTCCGTTCCATCCACCCGATTGCCAAGGTGTGCGCATTGGTGCGTGT
TTGGAAATTGCTCTCAAACCTGCGTGAGCGCGCAGGCTTGACCACTACTGTGGTGGATCACTGGTCGGAT
GCCGATAAGGCAGAAGACTCCCTCAAATACTTTGCACACATCCACGCTGTGGTTTACGGCTGTGTGCGGG
AAGATGACCAACTTCCACGGCGTTATTGATTGGGACACCGGTGACGGCGACGGCGGTTTGTTCAGGGC
ATTTTGGTCCGCTATTTAGCTGATGTGGCCATCCGCCTGCCTGACGATTACCAACCAACCGGGAAACC
AAAAAGATTGCAGCAGCCTGGTACTGGAATCGGCGGAAAGCGTATGGAACCACCGATTGGAAGTTGAT
GGCCTTCCGGTATTCGCCACAGACTGGACAACGGATGCACGCCTGCCACAAAACCTTTGGTTTGGATTCC
TCTAGTTTGGAGCGATCTGGTGAGTGTGTGCGCGTGGATGAACGTGATCTGTCCGTGCAATTGTCCGGT
TGGATGCTCATGGAAGCAGCAGCGAAAGTGGCCGAAGAACTGGAACAACGGCAATAGTTACACCGGT
CGTCCCCGA

>RXC01703 - 3'-Region
TAGCCCCGATAGTGTATGTGCTG

>RXC02254 - coding Region
ATCGCCGTTGCCGAAGAAGGCGGATTGTGGGAAAACCTCCTGCAGCACCGCTTCGGTGGACATGGTGCG
CTAGCTGGTCACGCCTTGGGAAACCTCGTGATCGCGGCGTTGACCGACATTTTGGGCACCTCCCAGCAT
GCGCTTGATCAAATCGCTCAACTCGCTGGAGCCAAAGGACGCATCATCCCGGTATGTGCTGAACCTTTG
GATCTTGAAGCGGAAGTATCAGGTCTAGACTCTGATGCTCGAGTCATGCGTCAAGTTCGTGGTCAAGTG
GCGGTAGCTGCAACCCCGGGCAGGTGCGACGCGTTTCAATCATTCGGGACAATCCAGAACCGAACCC
GCTGCCATCGAGGCCATTCTCGATGCAGATTTGGTCACCCCTTGGCCAGGTTCTCTGGTTCTCTCTGTG
ATTCCACACATTTTGGTCCCAGGGATCGTTGATGCCTTGGCGCAGACAAAAGCAACCAAAACCGTGGTG
TTAAACCTGACGTCCGAGCCAGGGGAGACCGCGGGATTCTCTGCAGAACGACACATCCATGTGCTCCGC
CAGCATGCTCGAAACCTTCAGGTTGACCAAGTCATTGTGATGCCAAGACACTGTCCTCACAACCGAA
CGCAATCATGTAGAACGAGCTGCTCGCACCCCTTGGTGCAGAAAGTCTCCTTCCATGATGTCCAGGCTGAA
GATGGCCGTGGTTCGATTACACAGTATTACGATCCAGCAAAGCTGTGTGCAGCGTTGCTGGCAAGTTTT
GCTGGAGCACGAAAGCGT

RXC02254 - 3'-Region
TAAGGAGTAGGCGTGTCACTGAC

RXC02255 - 5'-Region
GTGTGCAGCGTTGCTGGCAAGTTTTGCTGGAGCACGAAAGCGTTAAGGAGTAGGCGTGTCACTGACGAG
TGATATCAAACAAGAATTGGCGCAGGTCCAT

RXC02255 - coding Region
GTGGCCAAAAACAGTGTTCGTGCTGCGGAAGTGTCTGCAATTTTAAAGTTTGTGTTGAGATGCAAGCT
GTCGGCGGCAAGCTGGTCATCGAAGCAAATTTGGACAGCATGCAAGTCGGTATGAGGCTTCAGGAGTTT
ATCCAAGGTTTGTACAACCTCTCGAGTCGATGTGCACACCGTGAACCCGACTGTGAGCAGGAAAACGCCA
CGGTATTTGGTGCATCATTGACAATGCCGATGAAATTGCGCGACGCACCGGACTGGTCACCAGGTCT
GGACATGTGGTTAAAGGTCTAGCGCCTTCTGTGGTCAGCGGAACAATCAGTGACGCTGAAGCTGCATGG
CGCGGTGCGTTTCTAGCCAATGGATCTTTAAGTGATCCAGGTCGTTCTCTCTGTTGGAGGTGTTGTGT
CCTGGTCAAGAATCAGCATTGGCACTGGTTGGATGTGCGCGAAGAATTGGGATCGCGGCGAAAACGAAA
GATTCTCGAGGATTTGATCGCGTCAATGTTCTGTGATGCGGAAGCAATTGGGGCACTGCTCACTCGAATG
GGTGGCCAGAAAACCTCGCATGTTGTGGGAAGAAAAACGCATCAAGCGGGAAGTCAACTCCGCAAACC
GGTTGGCCAACTTCGACGATGCCAATCTGCGCAGGTGAGCCCGAGCAGAGTTGCCGCTGCAGCGAGG
GTAGAACGCGCCATGAAGATTCTTGGTGATGATGTTCTGAGCATTTGGCTGAGGCTGGACAGCTGCGT
GTGCAGCACCGTCAGGCATCGTTGGAGGAGTTGGGCCGGTTGGCTGATCCTCAAATGACCAAGGATGCT
GTGGCCGGTTCGATTCTGTCGTCTTTTGACGATGGCAGATAAGCGCGCCGAAGATCTGAAGATTCTGAT
ACAAATTCTGTTGTGACGGAAGATTTGTTGGAAGAAATT

RXC02255 - 3'-Region
TAGATGATTGAAGCCTAAAAACG

RXC02435 - 5'-Region
TCATGAATGTAGAACGGATTATCGACAAGCGCCAGCAAGTACGTTGATCTCTTTAGCCATCATCGCTG
TGTACGCAGTGCGGCCATTCAATCGAGATCA

RXC02435 - coding Region

GTGACAGACAACCTGGGTTCAACCAGTATCGGTGACGCGTGGATTCTGTACGCACCGCTGATGGATGAT
GGTGGCTTTGGTCCACTGCGTGCCATCGGAGGAATGTTCCCTGCACATTGGCCCCGGGCACATGCTGTTG
AACCTTGTGTTGTTGTGGTTGCTGGGAAGAGAAAATTGAACGAGACTTCGGTTCTGCGCTTTTCACTGCG
ATGTACTTTGTGGGCGGTATTGGTGCGTCTGCAGCTGTCATCTGGATGGATCCCTATTACCCGACAGCA
GGTGCTTCCGGCGCCATTTACGCCATGATGGCTATTTTGGTGGGGCTTTTTGTGTTAAGAAGCGCGGAT
ATCCGAGCACCTTGATCCTTATCGCCATCAACATCGCCTATACCTTGATGTCCACCAATGTTTCTCTG
TGGGGACACCTTGAGGTTTGTATCACTGGAGCTTTAATTACTTGGCCAATGGTTAAAGCGAAAACCTCAA
AGAACACGGTGGATTATCGTGCTCATTGGTTTTGCTGTAGTTGTGGCTGCTGTCAATTCTAGGAATTGAC
CGGGTG

RXC02435 - 3'-Region

TAGAACACATTCGGCCCATTGCCC

RXC03216 - 5'-Region

GCTGTATCACAGTCAGTGCAGCAGGTGGCGAAAACCGTTGCGGTCCCAGCGGCTGCTCTGATCCCTGCA
AACAAC TAGAAACTATTTCAGAAAGCATCACC

RXC03216 - coding Region

ATGAAACTCGGTCTCTACAACGCGATCTTCCACGACCGCACCCCTGCCAGAAGCGCTCGCAGCCATCAAA
GCTGCAGGTCTCACCGGAATTGAACTCAACACCGGCGGATTTTTGCCTGCAACCCACATCCCGACCATC
GATGACATCCTGGTCAGCGATGATGCCCCGCGATGAATTCCTCGGGATTTTCGAAGGCACCGGCGTCGAC
ATCTACGGCCTTAAGTGCACGGCAACCCGCTTCACCCCAACAAGGCGATCGGGGACAAGCATGCCGAA
GACATTCGACGTTCCATCCGCCTCGCAGAGCGCCTCGGCCAAAACCGTGTGGTCACCATGTCTGGTCTT
CCTGGTGGCGAACCAGGCGCGAAGTACACCAACTGGGTGTCAACGCGTGGAACCTCCGCAGCCTTGGAT
GTCCTTGATTACCAATGGGATATCGCAGCTGAATTCCTGGCGCGAGACCGACCGCTTCGCCGCAGATCAC
GGCGTGAAAGTGGCTCTTGAGCTGCACCCACAGAACATCGTGTTCAACTCCGCTGACGTGCATAAGCTC
ATCGATCTCACCGGCGCCACCCACGTGGGCGTCGAACTGGATGCATCACACCTGTTCTGGCAGCAGATG
GACCCAATCGCTGTGATTGATCACCTCGGCGAGCTCATCTTCCACGCCGCCGCAAGACGTGCGAGTT
AATAAGGAATGGGCTCAGCTCAACGGTGTGCTGGACAACAGCTTCCGACGCCTTGACCCATCCGAAAAC
CGCACCAACTTGGGCGGCGACGAGTGGGCGAATGAATGGCCAAAGAACTCTGCTTGGGATTTTCGTTGCT
CTGGGCGCGGTTCATGACGTTGCTTACTGGACCGAATTCCTCCGCGCACTTCACCGCGTCGATCCAAAC
ATGCTGGTCAACATCGAACACGAGGATGTTTCACTCGGTGCGAAGAAGGCGTCAACGAAGCCGCTAAG
GTGCTGATCGAGGCCAACAAGGCACTCGAAGAGTCCCTGGTTTTCT

RXC03216 - 3'-Region

TAAAAAACTACGCCTGCCCCGCAACGCTT